

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1-33. Canceled.

34(Currently Amended). A method of synchronizing a receive packet buffer window in a receiver with a transmit packet buffer window of a transmitter in a wireless data communication system comprising:

receiving a first plurality of data packets from the transmitter in the receive[[r]] packet buffer window, wherein each one of the first plurality of data packets is marked with a sequence number and the receive packet buffer window has a lower limit indicating a minimum sequence number of packet and a ~~higher~~ upper limit indicating a maximum sequence number of data packets that can be stored in the receive packet buffer window;

sending an acknowledgement to the transmitter acknowledging receipt of the first plurality of packets, wherein the acknowledgement includes an indication of sequence numbers of packets that were not received by the receiver in the first plurality of data packets; and

receiving a second plurality of data packets from the transmitter in the receive packet buffer window;

if the second plurality of data packets does not include packets that were not received by the receiver in the first plurality of data packets, then

updating the lower and upper limits of the receive packet buffer window

corresponding to minimum and maximum sequence numbers respectively of packets included in the second plurality of data packets.

35(Currently Amended). A method according to claim 34, further comprising:
storing the second plurality of data packets in the receive packet buffer window with
update lower and upper limits.

36(Currently Amended). A method according to claim 34, wherein the minimum and
maximum sequence numbers of packets included in the second plurality of data packets
corresponds to a lower limit and an upper limit respectively of the transmit packet buffer
window of the transmitter.

37(Currently Amended). A communication device comprising:
means for receiving a first plurality of data packets from a transmitter in a receive[[r]]
packet buffer window of a receiver, wherein each one of the first plurality of data
packets is marked with a sequence number and the receive packet buffer window
has a lower limit indicating a minimum sequence number of packet and an higher
upper limit indicating a maximum sequence number of packet that can be stored
in the receive packet buffer window;
means for sending an acknowledgement to the transmitter acknowledging receipt of the
first plurality of packets, wherein the acknowledgement includes an indication of
sequence numbers of packets that were not received by the receiver in the first
plurality of data packets;
means for receiving a second plurality of data packets from the transmitter in the receive
packet buffer window; and
means for updating the lower and upper limits of the receive packet buffer corresponding to
minimum and maximum sequence numbers of packets included in the second
plurality of data packets if the second plurality of data packets does not include
packets that were not received by the receiver in the first plurality of data packets.

38(Currently Amended). A communication device according to claim 37, further
comprising:
means for storing the second plurality of data packets in the receive packet buffer window
with update lower and upper limits.

39(New). A method of synchronizing a receive packet buffer window in a receiver with a transmit packet buffer window of a transmitter in a data communication system comprising:

receiving a first plurality of data packets from the transmitter in the receive packet buffer window of the receiver;

sending an acknowledgement to the transmitter from the receiver, the acknowledgment acknowledging receipt of one or more of the first plurality of data packets and indicating that one or more of the first plurality of data packets were not received by the receiver; and

receiving a second plurality of data packets from the transmitter in the receive packet buffer window of the receiver;

updating a lower limit and an upper limit of the receive packet buffer window corresponding to a minimum and a maximum sequence numbers respectively of packets included in the second plurality of data packets.

40(New). A method according to claim 39, wherein each one of the first plurality of data packets is marked with a sequence number and the lower limit of the receive packet buffer window indicates the minimum sequence number of packet and the upper limit of the receive packet buffer window indicates the maximum sequence number of data packets that can be stored in the receive packet buffer window.

41(New). A communication device comprising:
means for receiving a first plurality of data packets from a transmitter in a receive packet buffer window;
means for sending an acknowledgement to the transmitter, the acknowledgement acknowledging receipt of one or more of the first plurality of data packets and indicating that one or more of the first plurality of data packets were not received by the communication device; and
means for receiving a second plurality of data packets from the transmitter in the receive packet buffer window;
means for updating a lower limit and an upper limit of the receive packet buffer window corresponding to a minimum and a maximum sequence numbers respectively of packets included in the second plurality of data packets.

42(New). A communication device according to claim 41, wherein each one of the first plurality of data packets is marked with a sequence number and the lower limit of the receive packet buffer window indicates the minimum sequence number of packet and the upper limit of the receive packet buffer window indicates the maximum sequence number of data packets that can be stored in the receive packet buffer window.

43(New). A method of synchronizing a receive packet buffer window in a receiver with a transmit packet buffer window of a transmitter in a data communication system comprising:
updating a lower and an upper limit of the receive packet buffer window corresponding to a minimum sequence number and a maximum sequence number respectively of packets included in a plurality of data packets received from the transmitter.

44(New). A communication system comprising:
a transmitter; and
a receiver, wherein the receiver is configured to
receive a first plurality of data packets from the transmitter in a receive packet
buffer window;
send an acknowledgement to the transmitter, the acknowledgment acknowledging
receipt of one or more of the first plurality of data packets and indicating
that one or more of the first plurality of data packets were not received by
the receiver;
receive a second plurality of data packets from the transmitter in the receive packet
buffer window; and
update a lower and an upper limits of the receive packet buffer window
corresponding to a minimum and a maximum sequence numbers
respectively of packets included in the second plurality of data packets.

45(New). A communication system according to claim 44, wherein the size of the
receive packet buffer window is negotiated during service establishment between the transmitter
and the receiver.

46(New). A communication system according to claim 44, wherein the transmitter
and the receiver are components in a wireless packet communication system.

47(New). A method according to claim 39, wherein the lower limit and the upper
limit of the receive packet buffer window is updated if the second plurality of data packets does
not include packets that were not received by the receiver in the first plurality of data packets.